

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	19	("5255059" "5416568" "5442430"  "5455662" "5493365" "5500719"  "5557382" "5627631" "5765079"  "5794108" "5822663" "5828935"  "5909610" "5918090" "5970290"  "6075963" "6289195" "6418293"  "6606468").PN.	USPAT
2	BRS	L3	3457	(developing or developer or toner) WITH (seal or sealing)	USPAT
3	BRS	L4	9884	(developing or developer or toner) WITH (seal or sealing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
4	BRS	L5	179	4 and (first ADJ seal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
5	BRS	L6	57	5 and elastic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
6	BRS	L7	6	5 and grease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
7	BRS	L8	1	6 and 7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
8	BRS	L11	142	(developing or developer or toner) SAME (seal or seals or sealing) SAME grease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT
9	BRS	L12	22	11 and elastic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT

	Type	L #	Hits	Search Text	DBs
10	BRS	L14	1	"2001125374".pn.	JPO
11	BRS	L17	3	developing WITH seal WITH grease	USPAT; USOCR; EPO; JPO
12	BRS	L19	0	(printer or image) SAME (developing WITH seal WITH grease)	USPAT; USOCR; EPO; JPO
13	BRS	L20	1	"6295425".pn.	USPAT; USOCR; EPO; JPO
14	BRS	L22	3	"399"/\$.ccls. and (bearing WITH seal WITH grease)	USPAT; USOCR; EPO; JPO
15	BRS	L26	8	"399"/\$.ccls. and ( seal WITH grease)	USPAT; USOCR; EPO; JPO
16	BRS	L28	5674	( seal WITH grease)	USPAT; USOCR; EPO; JPO
17	BRS	L29	389	28 and (print\$5 or image)	USPAT; USOCR; EPO; JPO
18	BRS	L31	3049	developing WITH seal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
19	BRS	L32	87	31 and grease	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

PAT-NO: JP02001125374A

DOCUMENT-IDENTIFIER: JP 2001125374 A

TITLE: BEARING SEAL STRUCTURE OF DEVELOPING DEVICE FOR IMAGE FORMING DEVICE AND DEVELOPING DEVICE

PUBN-DATE: May 11, 2001

INVENTOR-INFORMATION:

NAME COUNTRY  
YOSHIK, SHIGERU N/A

ASSIGNEE-INFORMATION:

NAME COUNTRY  
RICOH CO LTD N/A

APPL-NO: JP2000002388

APPL-DATE: January 11, 2000

PRIORITY-DATE: 11232955 (August 19, 1999)

INT-CL (IPC): G03G015/06, F16C033/76, F16J015/32

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a bearing seal structure of a developing device for an image forming device and a developing device obtaining a high seal effect and made excellent in durability by stably reducing sliding load.

SOLUTION: A bearing 16 is composed of a bearing case 17, a ball bearing 18, a 1st G seal 19 and a 2nd G seal 20. Grease is enclosed in space 25 formed by a lip 19a for elastically hermetically sealing the 1st G seal 19, a lip 20a for elastically hermetically sealing the 2nd G seal 20, the inner peripheral surface of the bearing case 17 and a base part 23a of a paddle shaft 23.

COPYRIGHT: (C)2001 JPO

BEST AVAILABLE COPY